

WAVELENGTH TO OPTICAL POWER CONVERTER AND METHOD FOR CONVERTING WAVELENGTH INTO OPTICAL POWER

ABSTRACT OF THE DISCLOSURE

A wavelength to optical power converter and a method for converter a wavelength into an optical power are provided. The wavelength to optical power converter includes an input fiber pigtail for inputting an optical wavelength signal, a spiral fiber connected to the input fiber pigtail, a cylinder for fixing the spiral fiber, an output fiber pigtail extended from the spiral fiber, and an optical detector connected to the output fiber pigtail for reading a signal from the output fiber pigtail to generate the optical power, wherein the spiral fiber outputs the optical power in response to the optical wavelength signal, thereby performing a conversion from the wavelength into the optical power.